BEFORE THE SOUTH DAKOTA PUBLIC UTILITIES COMMISSION

IN THE MATTER OF THE)
CONSIDERATION OF THE NEW) Docket No. EL08-028
PURPA STANDARDS)

DIRECT TESTIMONY OF BLACK HILLS POWER, INC.

Black Hills Power, Inc. ("Black Hills Power" or the "Company"), a South Dakota corporation, submits its direct testimony for the new PURPA Standards set forth in the Energy Independence and Security Act of 2007. Black Hills Power is a public utility as defined under SDCL § 49-34A-1, with a business address of P.O. Box 1400, 625 Ninth Street, Rapid City, SD 57709 and has interest in this docket as the consideration and implementation of the new PURPA Standards has an effect on its electric utility business. Black Hills Power's testimony will answer the questions provided by Commission Staff by letter dated April 29, 2009. Black Hills Power states as follows:

- 1 I. <u>INTEGRATED RESOURCE PLANNING (IRP)</u>
- 2 Q: ARE YOU CURRENTLY REQUIRED TO GO THROUGH AN IRP
- PROCESS IN ANY OF YOUR REGULATED JURISDICTIONS? IF
- 4 YES;
- 5 a. WHICH JURISDICTION(S)?
- 6 A: Black Hills Power is not required to go through an IRP process in any of
- 7 the jurisdictions it operates in.

1	Q:	WERE YOU PREVIOUSLY REQUIRED TO GO THROUGH AN
2		IRP PROCESS IN ANOTHER JURISDICTION THAT NO
3		LONGER REQUIRES IT?
4	A:	No.
5	Q:	SHOULD THE COMMISSION ADOPT AN IRP PROCESS?
6	A:	An IRP process does not need to be adopted at this time. Black Hills
7		Power performs IRPs on an as-needed basis, usually when there is a need
8		for new generation. Black Hills Power is always evaluating its resources
9		and looking at needs between full scale plans. The IRP process requires
10		many resources, including the assistance of outside consultants, and
11		therefore Black Hills Power believes that conducting an IRP to meet a
12		filing requirement is not a prudent use of resources and not a fair cost to
13		be passed on to customers. If the Commission adopts an IRP process it
14		should have flexibility and ensure that customers will not be burdened
15		with unnecessary costs.
16	Q:	IF THE COMMISSION ADOPTED AN IRP PROCESS IN SOUTH
17		DAKOTA:
18		a. HOW SHOULD ENERGY EFFICIENCY RESOURCES BE
19		INTEGRATED?
20	A:	If an IRP process is adopted, energy efficiency resources should be a
21		component of potential resources considered as part of the planning.
22	0.	HOW OFTEN SHOULD THE PLAN RE REVISED/ REVIEWED?

1	A:	If an IRP process is adopted, the IRP should be reviewed when necessary
2		and filed with the Commission when a significant change in planning
3		occurs, at a minimum every five years.
4		b. HOW WOULD THIS BENEFIT YOU?
5	A:	An IRP process would not benefit Black Hills Power because it already
6		conducts resource planning based on need. Utilities know best how to
7		meet the needs of their customers and should be permitted to run their
8		business in the most efficient manner.
9		c. HOW WOULD YOU BE NEGATIVELY AFFECTED?
10	A:	An IRP process would negatively affect Black Hills Power because it
11		becomes an administrative process instead of a process based on need.
12		Utilities will review planning needs on an on-going basis regardless of an
13		official process, but there may not be a need to formally produce a lengthy
14		plan for mandated time frames. For example, if a utility has sufficient
15		generation to meet its needs for the next ten years, it would not be
16		necessary to undergo a full IRP process every four years.
17		II. RATE DESIGN MODIFICATIONS TO PROMOTE
18		ENERGY EFFICIENCY INVESTMENTS
19	Q:	IF A FEDERAL OR STATE ENERGY EFFICIENCY RESOURCE
20		STANDARD IS ESTABLISHED, WHAT IS THE BEST WAY TO
21		MEET THE TARGET?
22	A:	The best way to meet a target is to have a scaled time frame for
23		compliance. Utilities need time to develop programs to effectively reduce

1		demand in their service territories and to avoid rate shock for
2		implementing the programs.
3		a. OR WILL SEVERAL PROGRAMS NEED TO BE
4		EMPLOYED?
5	A:	Mostly likely there is not one demand side management program that will
6		work across all customer classes, so multiple programs should be
7		employed.
8		b. IF SO, WHAT ARE THOSE PROGRAMS?
9	A:	Programs that would help reduce usage would be in the areas of: rate
10		design, i.e. time of use rates; rebates and incentives for implementing
11		alternative forms of energy, i.e. solar or small wind generators; and,
12		education and financial incentives for energy efficiency. For industrial
13		customers, programs that help them use energy during off peak times or
14		targeted at increasing energy efficiency.
15	Q:	SOME STATES HAVE CREATED AN INDEPENDENT
16		ORGANIZATION, FUNDED THROUGH A CHARGE TO
17		CUSTOMERS BASED ON A PERCENTAGE OF SALES, WHICH
18		DEVELOPS AND MONITORS ENERGY EFFICIENCY
19		PROGRAMS. WHAT ARE YOUR THOUGHTS ON AN
20		INDEPENDENT ORGANIZATION ADMINISTERING ENERGY
21		EFFICIENCY PROGRAMS?
22	A:	Black Hills Power does not believe a separate organization is necessary.
23		Utilities should be permitted to run their business in a way that provides

1		safe, reliable, economical power to customers and a fair return to
2		shareholders.
3		a. WHAT PERCENT OF SALES SHOULD CUSTOMERS
4		CONTRIBUTE IF THAT BENCHMARK IS EMPLOYED?
5	A:	Passing on costs to customers is always difficult, especially in the current
6		economic period. Customers basic necessities continue to increase and
7		they often do not realize a significant benefit from the implementation of
8		government processes.
9		b. HOW WOULD LARGE DIFFERENCES AMONG
10		UTILITIES' SALES AFFECT PROGRAMS?
11	A:	Economies of scale are important in demand side management as the
12		greater the volume of sales, the greater impact small reductions in use
13		make to overall demand. It will be more difficult for small utilities to
14		implement effective programs than larger ones. South Dakota's low
15		population density and small service territories make it challenging to
16		have effective demand side management programs because the reduction
17		in use is so small that it does not delay the need for a new generating
18		resource very long.
19		c. SHOULD THERE BE A BASELINE STANDARD FOR
20		PROGRAMS AND THEN AN "ADDER" BASED ON
21		PERCENTAGE OF REVENUE?
22	A:	Generally, program goals are not established in this manner. A reasonable
23		approach for establishing program goals would be to base program targets

1	on a percentage of sales (e.g., one quarter to one half of one percent of
2	sales). In addition, the company believes it is reasonable to develop a
3	program portfolio so that every customer class has an opportunity to
4	participate in at least one program.
5	Q: WHAT ALTERNATIVE MECHANISMS BESIDES DECOUPLING
6	WOULD PROMOTE ENERGY EFFICIENCY INVESTMENTS?
7	A: As an alternative to decoupling, the Company believes that cost recovery and
8	regulatory incentives should be linked and contain the following:
9	a DSM variance account which is used to true up the variance between
10	estimated spending built into rates and actual spending;
11	• a mechanism to adjust for margins the utility loses if the DSM
12	program is more successful in the period after rates were set; and,
13	a shared savings or incentive mechanism which rewards the Company
14	for DSM performance.
15	a. HOW DO THEY COMPARE TO DECOUPLING?
16	A: The three components described above –a DSM variance account, a
17	mechanism to capture lost margins, and an incentive program that rewards
18	the Company for its performance – are easier and quicker to implement
19	and modify than a decoupling procedure. Typically, decoupling is
20	addressed in a more formal regulatory proceeding involving all utilities in
21	the state. As such, it could be quite a time-consuming process to develop
22	rules surrounding and implementing revenue decoupling mechanisms. A

1		complimentary approach is to increase the recovery of fixed costs through
2		monthly customer charges.
3	Q.	ENERGY EFFICIENCY CAN OCCUR IN A NUMBER OF WAYS
4		INCLUDING UTILITY PROGRAMS AND IMPROVEMENTS
5		MADE SOLELY BY CUSTOMERS. HOW SHOULD CREDIT BE
6		GIVEN APPROPRIATELY FOR EFFICIENCY
7		IMPROVEMENTS?
8	A:	Properly designed evaluation plans will assist in the determination of how
9		credit should be allocated for efficiency improvements. Properly designed
10		evaluation plans will identify both free riders and free drivers, which when
11		netted out will determine how much credit should be attributed to utility
12		programs versus customer actions.
13		a. HOW CAN SUCH CREDIT BE DETERMINED?
14	A:	See, previous answer.
15		b. WITHOUT SUCH A DETERMINATION CAN THE
16		COMMISSION TREAT ALL PARTIES FAIRLY?
17	A:	In the first year or two of a program, it is not efficient or effective to
18		conduct a robust evaluation of the utility's programs. Instead, deemed,
19		predetermined, or agreed-to savings should be used to calculate net
20		benefits from the utility's programs. Evaluations are used to adjust
21		savings percentages on a prospective basis. The best available
22		information will be used to develop savings levels for the utility's
23		programs from the onset and adjustments will be made when additional

1		data on customer participation and energy usage behavior becomes
2		available.
3	Q:	WHAT FORUM SHOULD BE USED TO ADJUST RATES FOR
4		NEW CONSUMPTION PATTERNS?
5	A:	The forum to adjust rates due to new consumption patterns would be
6		through an adjustment clause, or a rate case. An adjustment clause would
7		be a more effective tool so that a full rate case does not have to be filed.
8	Q:	WHAT METHODS CAN BE USED TO DETERMINE IF A SALES
9		DECLINE WAS DUE TO ENERGY EFFICIENCY OR OTHER
10		POSSIBLE FACTORS (WEATHER, ECONOMY, LOSS OF
11		LARGE CUSTOMER, ETC.)?
12	A:	The challenge of determining if energy efficiency programs are working is
13		the tracking issue. Meters that collect real-time or 15-minute interval
14		usage data become necessary for the residential and small commercial
15		class. This requires Advanced Metering Infrastructure (or "AMI")
16		technology. Metered usage data could then be normalized to account for
17		anomalies of weather, economy, etc.
8	Q:	CAN A DECOUPLED RATE PROMOTE ELECTRICITY USAGE
9		EFFICIENCY, OR PERHAPS REDUCE ELECTRICITY USAGE
20		THROUGH A TRANSFER OF ENERGY USAGE FROM THE
21		CUSTOMER TO ANOTHER ENTITY, OR FROM FUEL
22		SWITCHING?

1	A:	It's been the Company's experience that decoupled rates have been used
2		more as a response to the effects of energy efficiency programs (i.e., usage
3		reductions) rather than as a means to promote energy efficiency.
4		a. IN EFFECT COULD RATE DESIGN INDUCE GREATER
5		OVERALL ENERGY USAGE EVEN THOUGH
6		ELECTRICITY USAGE IS REDUCED?
7	A:	Yes, if one resource becomes too expensive, customers will switch to
8		something different. For example, if electric heating becomes too
9		expensive, a customer may install a natural gas or propane furnace,
10		resulting in the same or more energy being consumed.
11	Q:	DESCRIBE IN DETAIL HOW THE COMMISSION SHOULD
12		PROCEED IN REVIEWING (i) THROUGH (vi) BELOW,
13		INCLUDING ANY OPTIONS FOR DOING SO. WHAT
14		QUESTIONS SHOULD BE ASKED IN EACH CATEGORY TO
15		OBTAIN INFORMATION WHICH SHOULD BE PART OF THE
16		COMMISSION'S CONSIDERATION? BE SPECIFIC FOR EACH
17		CATEGORY.
18		(B) POLICY OPTIONS—IN COMPLYING WITH
19		SUBPARAGRAPH (A), EACH STATE REGULATORY
20		AUTHORITY AND EACH NONREGULATED UTILITY SHALL
21		CONSIDER:

1		(i) REMOVING THE THROUGHPUT INCENTIVE AND
2		OTHER REGULATORY AND MANAGEMENT DISINCENTIVES
3		TO ENERGY EFFICIENCY;
4	A:	Black Hills Power does not advocate removing the throughput incentive
5		(i.e., by shifting from a fixed-variable to a fully-variable design for the
6		energy charge). Shareholders would like to realize the earnings potential
7		implicit in a fixed-variable energy charge as energy consumption in the
8		commercial and industrial sectors return to normal or above-normal levels
9		once the economy recovers from the present recession.
10		(ii) PROVIDING UTILITY INCENTIVES FOR THE
11		SUCCESSFUL MANAGEMENT OF ENERGY EFFICIENCY
12		PROGRAMS;
13	A:	Utilities should be permitted to recover their costs of implementing
14		demand side management programs. In addition, when demand is
15		reduced, sales and revenue are reduced so the base cost of providing
16		service may go up, creating cost under-recovery. Incentives such as
17		bonuses for implementing and sustaining energy efficiency programs
18		would be good as well as recovery for providing incentives to customers.
19		(iii) INCLUDING THE IMPACT ON ADOPTION OF ENERGY
20		EFFICIENCY AS 1 OF THE GOALS OF RETAIL RATE DESIGN,
21		RECOGNIZING THAT ENERGY EFFECIENCY MUST BE
22		BALANCED WITH OTHER OBJECTIVES;
23	A:	The Company agrees with this statement.

1		(iv) ADOPTING RATE DESIGNS THAT ENCOURAGE
2		ENERGY EFFICIENCY FOR EACH CUSTOMER CLASS;
3	A:	Black Hills Power's rate design could be a useful tool for achieving
4		changes in consumer consumption of electricity.
5		(v) ALLOWING TIMELY RECOVERY OF ENERGY
6		EFFICIENCY-RELATED COSTS; AND
7	A:	Allowing timely recovery will encourage effective programs.
8		(vi) OFFERING HOME ENERGY AUDITS, OFFERING
9		DEMAND RESPONSE PROGRAMS, PUBLICIZING THE
10		FINANCIAL AND ENVIRONMENTAL BENEFITS ASSOCIATED
11		WITH MAKING HOME ENERGY EFFICIENCY
12		IMPROVEMENTS, AND EDUCATING HOMEOWNERS ABOUT
13		ALL EXISTING FEDERAL AND STATE INCENTIVES,
14		INCLUDING THE AVAILABILITY OF LOW-COST LOANS,
15		THAT MAKE ENERGY EFFICIENCY IMPROVEMENTS MORE
16		AFFORDABLE.
17	A:	These are all very good ideas, but have costs associated with them which
18		should be permitted to be recovered. Education is important, but most
19		customers will not change their habits unless it affects them monetarily.
20		III. <u>DIRECTED SMART GRID TESTIMONY FOR IOU'S</u>
21	Q:	WHAT ARE YOUR ORGANIZATION'S GOALS RELATIVE TO
22		SMART GRID TECHNOLOGY?

1	A.	Black fills Corporation, the parent company of Black fills Power,
2		expects to research the possibility of implementing smart grid technology
3		at each of its operating electric utilities in Colorado, South Dakota, and
4		Wyoming over the next five years. In southeastern Colorado, Black Hills
5		Energy first began installation of digital meters at retail customer premises
6		in September 2008. These digital meters operate with AMI technology.
7		To date, over 17,000 AMI meters have been installed and energized in the
8		Pueblo area. By year end, this will grow to 56,500 meters. By the end of
9		2011, all electric customers in Black Hills's Colorado service territory are
10		planned to have AMI meters (approximately 98,000 customers total).
11		These meters produce revenue-quality data and as such, are utilized for
12		customer billings. Beyond Colorado, Black Hills Corporation is studying
13		the potential installation of AMI meters at electric retail premises in South
14		Dakota (approx. 65,000) and Cheyenne, Wyoming (approx. 37,500).
15		AMI meters are generally considered the foundation of a smart grid
16		platform. The meters are capable of two-way communications, and thus
17		can impart an "intelligence" to manage power deliveries and consumption
18		efficiently.
19	Q:	WHAT IS THE VALUE OF EACH SMART GRID GOAL TO
20		YOUR UTILITY?
21	A:	Black Hills Power believes the value is measurable. Black Hills Power's
22		affiliate in Colorado has identified both direct and indirect benefits of
23		AMI meters. Direct benefits may include: automation of meter readings

1		for both cycle- and off-cycle billings; remote disconnections and
2		reconnections; diversion detections; and real-time event alarm notification
3		These benefits reduce labor costs as well as other associated fleet costs for
4		meter-reading personnel. The benefits serve to automate distribution
5		functions. Indirect benefits include: back-office automation and
6		efficiencies with customer billings. This also reduces labor costs.
7	Q:	WHAT IS THE VALUE OF EACH SMART GRID GOAL TO
8		YOUR CONSUMERS?
9	A:	In the near term, the customer gains account accuracy, and "on demand"
10		service for off-cycle meter reads and connection or disconnections orders,
11		without a premise visit by utility personnel. With the AMI system, power
12		outage and restoral information can be detected and reacted to without a
13		customer phone call to the utility service center. In the longer term, the
14		customer gains the transparency of real-time usage data, which will enable
15		time-of-use rate plans and/or load-reduction incentive payments. The
16		usage data can be reported to the consumer on Internet or in-home
17		devices. Additionally, home connectivity and pre-payment service plans
18		will be enabled by AMI meter technology. With home connectivity, the
19		AMI meter can interface with appliance controls to directly and
20		automatically perform peak-demand reductions (such as "cycling" of air
21		conditioner usages.) Thus, the AMI meter technology can provide
22		dispatchable demand-side management.

1	Q:	WHAT SMART GRID TECHNOLOGY DOES YOUR
2		ORGANIZATION SEE USING TO ACHIEVE ITS GOALS?
3	A:	Black Hills Energy, one of Black Hills Power's affiliates, has adopted the
4		Elster EnergyAxis® AMI System for its Pueblo, Colorado service
5		territory. Black Hills Power would use the AMI system that works best in
6		its territory and that is priced competitively. The Elster AMI meters are
7		installed at the customers' premises and operate within a wide and local
8		area communication network. For data collection, data from the
9		customers' AMI meters are communicated by a 900 Mhz mesh network
10		technology to field data collectors. This communication occurs six times a
11		day. The data collectors communicate read information, via digital
12		cellular network connectivity, to the BHE Corporate network server for
13		back-office management functions. This communication occurs once
14		daily. Meanwhile, real-time access to AMI meters is available for
15		functions such as off-cycle reads, connect/disconnect orders, and alert
16		notifications.
17	Q:	WHAT SHORT TERM IMPACTS DO YOU SEE SMART GRID
18		TECHNOLOGY HAVING ON RATES?
19	A:	Black Hills Power believes that smart grid technology can mitigate the
20		impact of higher rates that may result from federal mandates as proposed
21		in the American Clean Energy and Security Act (H.R. 2454). Also known
22		as the Waxman-Markey bill, H.R. 2454 proposes that retail electric
23		suppliers can meet a portion of their load requirements with a combination

1		of renewable energy resources and electricity savings. The combined
2		requirement begins at 6% in 2012 and grows to 20% by 2020. Certain
3		provisions of the Waxman-Markey bill allow the renewable energy
4		portion to be reduced, and the energy efficiency portion increased, from a
5		75/25% combination to 60/40%, respectively. Because smart grid
6		technology can enable energy efficiency gains - such as consumption
7		decreases triggered by time-sensitive rates or direct control of customers'
8		appliances - higher-cost renewable energy resources can be reduced
9		proportionally. Thus, with smart grid technology, the retail electric
10		supplier can both comply with the law's proposed mandate and minimize
11		the costs to customers.
12	Q:	WHAT LONG TERM IMPACT DO YOU SEE SMART GRID
13		TECHNOLOGY HAVING ON RATES?
14	A:	In the longer-term, a distribution system equipped with functional AMI
15		and smart grid technology should result in a net benefit to the customers.
16		Black Hills Power will only implement new technology if a business case
17		indicates a lower cost of service for the customers served.
18	Q:	WHAT TYPES OF RATE DESIGN WOULD YOU NEED TO
19		INVEST IN SMART GRID TECHNOLOGY?
20	A:	Black Hills Power does not believe a revised rate design has to precede a
21		smart grid technology deployment. Instead, an AMI meter investment can
22		be justified from the operational cost savings as calculated by a business
23		case. Each utility must determine which technologies work for its unique

1		circumstances on a case by case basis. At this time, Black Hills Power is
2		preparing a business case for AMI in its South Dakota territory. If AMI
3		meters are deployed, time-sensitive rate design (time-of-use or critical
4		peak pricing) can then be implemented because the meter produces the
5		necessary data for designing and billing such rates.
6	Q:	HOW DOES THE PLANNED IEEE STANDARD ON SMART GRID
7		IMPACT YOUR DECISION MAKING ON SMART GRID
8		TECHNOLOGY?
9	A:	The IEEE Standard makes Black Hills Power ensure that the vendor and
10		technology used for AMI can meet the open standard business process and
11		interoperability standards contemplated by the IEEE initiative (Project
12		P2030). For example, the Elster system used in Colorado can interface
13		with a Customer Information System ("CIS"), meter data management
14		systems, revenue protection groups, work order management and
15		inventory systems, outage management systems, rate research modules,
16		and eventually SCADA.
17	Q:	WHAT SYSTEM BENEFITS DO YOU SEE FROM INVESTING IN
18		SMART GRID TECHNOLOGY, FOR EXAMPLE, SHORTER
19		OUTAGES, ETC.?
20	A:	Black Hills Power believes that the future "intelligent grid" as enabled by
21		AMI meters, can automatically detect outages, divert the power supply,
22		and self-heal the distribution lines without customer intervention. The

1		system can thwart cyber threats and thereby protect the reliability of
2		system operations.
3	Q:	WHAT OPTIONS DO YOU SEE TO ENSURE
4		INTEROPERABILITY?
5	A:	See the previous two responses.
6	Q:	WHAT TIME FRAME DO YOU SEE FOR IMPLEMENTATION
7		OF SMART GRID SYSTEMS?
8	A:	Black Hills Power believes the time frame can only be defined by a
9		business case scenario specific to the service territory and its
10		characteristics. Beyond the customer metering side, it is difficult to
11		forecast the time frame for "upstream" smart grid interfaces with
12		generation and transmission providers. For that, the Company relies on
13		the initiatives contemplated by the Obama Administration for a national
14		intelligent grid, possibly by the year 2015.
15	Q:	WHAT OPTIONS DO YOU SEE FOR PREVENTING RAPID
16		OBSOLESCENCE OF SMART GRID SYSTEMS?
17	A:	Black Hills Power believes that interoperability will prevent or delay
18		obsolescence. Interoperability enables interface with other systems and
19		modules that will foster long-run use and interdependency between
20		transmission and distribution level market participants. In addition, the
21		ability to upgrade the devices remotely is an important consideration in
22		selecting a device.

1	Q:	WHAT COSTS DO YOU SEE ASSOCIATED WITH THE SMART
2		GRID TECHNOLOGIES YOU MAY INVEST IN?
3	A:	There are many categories of costs associated with an AMI metering
4		rollout that should be recognized in a business case. These categories
5		include, but are not limited to equipment, installation labor, software
6		licensing, software maintenance, and system testing and interfacing. The
7		costs can only be justified if a net benefit results for the customers.
8	Q:	HOW DO YOU PLAN TO BALANCE VALUE AGAINST COST
9		FOR EACH OF YOUR SMART GRID GOALS/INVESTMENTS?
10	A:	Black Hills Power relies on two financial metrics: operational cost
11		savings and payback period.
12	Q:	HOW WILL YOUR SMART GRID INVESTMENTS BE SPLIT
13		AMONG, METERING, AUTOMATED SWITCHES, AND
14		SUBSTATION CONTROLS?
15	A:	Black Hills Power does not have the ability to answer this. AMI meters
16		are one component of a smart grid platform. The other components, such
17		as automated switches or substation controls, are discrete investments with
18		their own cost structures. Black Hills Power has not estimated these costs
19	Q:	WILL YOU IMPLEMENT SMART GRID IN OTHER STATES
20		YOU SERVE BEFORE OR AFTER SOUTH DAKOTA?
21	A:	An affiliate of Black Hills Power is currently implementing AMI in

1	Q:	WHAT IMPACT WILL SMART GRID TECHNOLOGY HAVE ON
2		YOUR PORTFOLIO OF GENERATION FACILITIES, I.E., WILL
3		THE FUEL SOURCES SHIFT, ETC.?
4	A:	Black Hills Power expects that fuel sources may shift after smart grid
5		technology is deployed. Specifically, as the technology enables peak
6		demand reductions at the customers' premises, the generation fleet can
7		reduce its operation of peaking turbines. As a result, the fuel mix will
8		shift from natural gas (peaking resource) to coal (baseload resource). The
9		fuel costs will be favorably impacted for the customer because natural gas
10		is a higher cost resource, with greater price volatility, relative to coal at
11		this time.
12	Q:	HOW SHOULD INVESTMENTS MADE OBSOLETE BY SMART
13		GRID TECHNOLOGY BE RECOVERED BY UTILITIES?
14	A.	Black Hills Power believes accelerated depreciation treatment of legacy
15		metering equipment replaced by AMI installations should be the policy
16		direction of state Commissions. Also, NARUC and FERC advocate for
17		more-favorable depreciation rules, i.e., recovery of book value for assets
18		that are retired early for "smart grid" reasons. 1

See, "Principal Characteristics of the Modern Grid" (presentation) from the FERC-NARUC Smart Grid Collaborative Meeting presented by Joe Miller-Modern Grid Strategy Team on July 23, 2008 at http://www.netl.doe.gov/moderngrid/.

Dated this <u>M</u> day of June, 2009.

BLACK HILLS POWER, INC.

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CERTIFICATE OF SERVICE

I hereby certify that on June 19, 2009, a true and correct copy of the foregoing Direct Testimony of Black Hills Power, Inc. was served via electronic mail, where identified, on the following:

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